



(S1) Internationale Patentklassifikation <sup>7</sup> :	A1	(11) Internationale Veröffentlichungsnummer: WO 00/58080
B31D 3/00, B21D 47/00		(43) Internationales Veröffentlichungsdatum: 5. Oktober 2000 (05.10.00)

(21) Internationales Aktenzeichen:	PCT/EP00/02646	(81) Bestimmungsstaaten: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MR, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TI, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, UG, ZW), eurasisches Patent (AM, AZ, BY, KG, KZ, MD, RU, TI, TM), europäisches Patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI Patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
(22) Internationales Anmeldedatum:	25. März 2000 (25.03.00)	
(30) Prioritätsdaten:	199 13 830.3 26. März 1999 (26.03.99)	DE
(71) Anmelder (für alle Bestimmungsstaaten außer US):	K.U. LEUVEN RESEARCH & DEVELOPMENT [BE/BE]; Groot Begijnenhof, Benedenstraat 59, B-3000 Leuven (BE).	
(72) Erfinder; und		Veröffentlicht
(75) Erfinder/Anmelder (nur für US):	PFLUG, Jochen [DE/DE]; Ernst-Göbel-Straße 35, D-65207 Wiesbaden (DE).	Mit internationalem Recherchenbericht. Vor Ablauf der für Änderungen der Ansprüche zugelassenen Frist: Veröffentlichung wird wiederholt falls Änderungen eintreffen.
(74) Anwälte:	BIRD, William, E. usw.; Bird Goen & Co., Vilvoordsebaan 92, B-3020 Winksele (BE).	

(54) Title: FOLDED HONEYCOMB STRUCTURE CONSISTING OF CORRUGATED PAPERBOARD AND METHOD AND DEVICE FOR PRODUCING THE SAME

(54) Bezeichnung: FALTWABE AUS WELLPAPPE, VERFAHREN UND VORRICHTUNG ZU DEREN HERSTELLUNG

(57) Abstract

The invention relates to a folded honeycomb structure and to a method and device for producing said folded honeycomb structure from a corrugated core web. The folded honeycomb structure has a number of adjacent corrugated core strips which lie in one plane and are interconnected by cover layer strips. Said cover layer strips are folded about 180° and are perpendicular to said plane. According to the inventive method for producing the folded honeycomb structure, interconnected corrugated core strips are produced first by making a number of longitudinal scores in a corrugated core web. These corrugated core strips are then alternately rotated through 90° respectively so that the cover layer strips fold and the folded honeycomb structure is formed. The device corresponding to this method consists of a number of rotating blades for making the longitudinal scores and a number of guiding elements for rotating the interconnecting corrugated core strips.

